LPR 270-02-00.0 Issue Date February 19, 1997

Performance Requirement: Assessment for Effectiveness of Facility

Operations

Title: Perform Assessment of Operating Limits and

Start-Up Tests Mandatory Document

Standard Statement:

Performance assessments are conducted to ensure that operating limits are being met and to ensure that tests are performed as part of start-up of new or modified activities. The formality and level of documentation are based on the significance of the vulnerabilities and the complexity of the activities.

Performance Criteria:

- Assessment results are analyzed for appropriate resolution including determination of the need for suspension of the activity pending resolution and/or the need to continue with this activity.
 Assessment results falling outside the operating limits result in either
 - suspension until resolved by performing maintenance or by redefining the operating limits or boundaries; or
 - temporary exemption from the operating limits or boundaries by the agreement authorities.
- 2. Discrepancies and deficiencies are documented and tracked through resolution. Validation activities are documented.
- 3. The validation inspection and start-up test occurs after obtaining authorization agreements and prior to initiation of routine work.
- 4. Facilities will be validated relative to facility design/operating criteria and established tolerance.
- 5. Newly installed or modified systems and equipment are tested and verified to satisfy all design requirements. They perform correctly in all required operating modes prior to acceptance.
- 6. Procedures/process for work activities are evaluated against defined operating conditions.
- 7. The roles and responsibilities for validation inspections and start-up tests are determined and documented.

Contractual Work Smart Standards:

10 CFR 830.120, Quality Assurance for Nuclear Facilities

29 CFR 1910, Occupational Safety and Health Standards

AL Supplemental Directive 5481.1b, Safety Analysis and Review System

ANSI B31.1, Power Boilers (most recent edition)

ASME Boiler and Pressure Vessel Code (most recent edition)

DOE O 425.1, Startup and Restart of Nuclear Facilities, Change 1: 10-26-95 with the exception of the DOE O 5480.19 citation

DOE O 5480.20A, Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities, 11-15-94

DOE O 5480.21, Unreviewed Safety Questions, 12-24-91

DOE O 5480.22, Technical Safety Requirements, Change 2: 1-23-96

DOE O 5480.23, Nuclear Safety Analysis Reports, Effective Date: 4-30-92

DOE O 5700.6C, Quality Assurance

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DOE O 6430.1A, General Design Criteria, Division 13

DOE-STD-3013-94, Criteria for Safe Storage of Plutonium Metals and Oxides, 12-94

LANL LPR 270-02, "Perform Assessment of Operating Limits and Start-Up Tests" (currently exists and addresses the philosophy of AL 5480.31 cited below)